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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/1 80,208	10/06/2000	Harold A. Robertson	36541-0005	8654

7590

07/10/2002

Mr David J Heller  
c/o Ridout & Maybee  
Suite 2400  
One Queen Street East  
Toronto, M5C 3B1  
CANADA

EXAMINER

GOLDBERG, JEANINE ANNE

ART UNIT

PAPER NUMBER

1634

DATE MAILED: 07/10/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

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Washington, D.C. 20231

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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**EXAMINER**

Jeanine Enewold Goldberg

**ART UNIT**

**PAPER**

1655

6

**DATE MAILED:**

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 C.F.R. § 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 C.F.R. §§ 1.821-1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

The specification contains numerous sequences which are not identified by SEQ ID NO:. Appropriate correction is required.

The disk filed 10/18/00 contains errors. See the raw sequence listing error report.

APPLICANT IS GIVEN 30 days FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 C.F.R. §§ 1.821-1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 C.F.R. § 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 C.F.R. § 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Direct the response to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the response.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeanine Enewold Goldberg whose telephone number is (703) 306-5817. The examiner can normally be reached on Monday-Friday from 7:00am- 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jones can be reached on (703) 308-1152. The fax number for the organization where this application or proceeding is assigned is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0196.

*J. Goldberg*

*W. Gary Jones*  
W. Gary Jones  
Supervisory Patent Examiner  
Technology Center 1600

## Notice to Comply

Application No.

09/680,208

Examiner

Jeanine Enewold Goldberg

Applicant(s)

ROBERTSON ET AL.

Art Unit

1655

### NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

#### Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY**

1633

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

1601

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/680,208

Source: OIPE

Date Processed by STIC: 10-18-00

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin30help@uspto.gov](mailto:patin30help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/080,208

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 ☐ Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 ☐ Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 ☐ Misaligned Amino Acid Numbering The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 ☐ Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 ☐ Variable Length Sequence(s) ☐ contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and indicate in the (ix) feature section that some may be missing.
- 7 ☐ PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) ☐. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 8 ☐ Skipped Sequences (OLD RULES) Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X:  
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 ☐ Skipped Sequences (NEW RULES) Sequence(s) ☐ missing. If intentional, please use the following format for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 10 ☒ Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 ☐ Use of <213>Organism (NEW RULES) Sequence(s) ☐ are missing this mandatory field or its response.
- 12 ☒ Use of <220>Feature (NEW RULES) Sequence(s) ☐ are missing the <220>Feature and associated headings.  
Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
**Please explain source of genetic material in <220> to <223> section.**  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 ☐ PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/680,208

DATE: 10/18/2000

TIME: 17:13:50

Input Set : A:\HD GENE.txt

Output Set: N:\CRF3\10182000\I680208.raw

5 <110> APPLICANT: ROBERTSON, Harold  
 7 DENOVAN-WRIGHT, Eileen  
 9 NOVANEURON, INC.  
 13 <120> TITLE OF INVENTION: GENE NECESSARY FOR STRIATAL FUNCTION, USES THEREOF, AND  
 16 COMPOUNDS FOR MODULATING SAME  
 20 <130> FILE REFERENCE: 36541-0005  
 C--> 24 <140> CURRENT APPLICATION NUMBER: US/09/680,208  
 C--> 26 <141> CURRENT FILING DATE: 2000-10-06  
 30 <150> PRIOR APPLICATION NUMBER: US60/158,043  
 32 <151> PRIOR FILING DATE: 1999-10-07  
 36 <150> PRIOR APPLICATION NUMBER: US60/217,765  
 38 <151> PRIOR FILING DATE: 2000-07-12  
 42 <160> NUMBER OF SEQ ID NOS: 12  
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 50 <210> SEQ ID NO: 1  
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 56 <213> ORGANISM: mouse  
 60 <400> SEQUENCE: 1  
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 66 agacgacogt ttaattcagg cattccgaag gcatgagcgc atggattctg tcaccaagcg 180  
 68 tataaaagga cactggcatt gggaaacctg tgacggactg tttttgctgt agaagtaggg 240  
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 74 aaaaaaacta tacctgggaa gacctttgca acattgttcc ttccatgggc caagactcag 420  
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 80 atatttaaca tacaggcatg ggaatcctgc ctcttagctt ttcccacct cttgtctcac 600  
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 84 tgaataataa tgaatataaa caatgctcac ctccacaaaa ttatattatt tgcagtcatt 720  
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 112 aacggtggct ccaggtggag gcatcaatct gttgggttct ggttcccggc tgcctttgt 1560  
 114 tttgaaagtc tcttctctgt atattctac cctgcatttg ctttgtgtgg tgcgtatgt 1620  
 116 gtgcgcagta ggattcttgg atgactctcc atcagtcaca gactccccct gttgcaaagt 1680

Does Not Comply  
Corrected Diskette Needed  
See pp. 6, 7

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/680,208

DATE: 10/18/2000

TIME: 17:13:50

Input Set : A:\HD GENE.txt

Output Set: N:\CRF3\10182000\I680208.raw

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120 cggtctccac ttgcatgget attctatttt cacacgtgag tttctgttgc tggttggetg 1800
122 actggcatta tctatgctaa gttgaaatca ggagtgccea gcagagccca tcattctcac 1860
124 tgtctttgaa acaaagctgt acggtttgat cgaatgaacgt atttaaagca tttcatgcaa 1920
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134 aacacttggt tatcgtgtag cgtacctaaa agactattct attatgggtg tccccacttt 2220
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138 gatgtatggg aatagtgttt ccataatgat tgttgtctgg agtatatgct acatgttcaa 2340
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144 caaacgcage gtctggatct tttccaagga gagcagcttt ctccacagga acacagtaac 2520
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166 gatacatgaa atatatattag aaatgttcat aattttaatg gatattcttt ggtgtgaata 3180
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214 atatattaaa taaataatat tagaaaatc ttctaagtgt atcatttata gaatatttaa 960
216 tatataaagt aaatgcctca ggaaatataa acttggaatt aaatcaaaga acttcatgag 1020
218 tagtgggcca caaaaatgt gtaccagggg aagaccggag ggaggggaga aggaagggat 1080
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/680,208

DATE: 10/18/2000

TIME: 17:13:50

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Output Set: N:\CRF3\10182000\I680208.raw

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224 taagtgtcca tgcattggctg ccacactgca gtgaacttta aaacatttgt gttccagaga 1260
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292 aatttcaagc ttatgatata caatattatt atagttgat agttagtaaa ttccaaaaaa 3300
294 aaaagatgat tttatatgta tgacataaaa aaaatctttg taaagtgcgc aagtgaata 3360
296 atttaagag gtcttatctt tgcatttata aattataaat attgtacatg tgtgtaattt 3420
298 ttcatgtatt catttgcagt ctttgtattt aaaaaactt tactgttatg tttgtataat 3480
300 agaacattaa tcatttatta taactcagac aaggtgtaaa taaattcata attcaaacag 3540
302 ccagtatata tgcataatg ggtgttacat tgcaaaaatc tctatctttg ttctattcac 3600
304 atgcttaag aagtaagaaa tcttttgttg atatgtaatt atacatataa agtatatata 3660
306 tatgtatgat acatgaaata tatttagaaa tgttcataat tttaatggat attcttttgt 3720
308 gtgaataatt gaataacaa tttttaaaat aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 3780
310 aaaatttttt tttttttttt ttattccaga gattaaagac actagatctt taaccttgaa 3840
312 gggcaggcaa gaggtcggca atgctgtcaa catagaagtc agggaccatt ttctcttga 3900
314 acatgcagtc actttcctga ttgctcttca catctcaag gctccggaat tccgggggtg 3960
316 tgggtggcct tgatctcagg actctggagg cagaagcagg cagatctctg tgaatatgag 4020
```



RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/680,208

DATE: 10/18/2000  
TIME: 17:13:50

Input Set : A:\HD GENE.txt  
Output Set: N:\CRF3\10182000\I680208.raw

```
318 gccagcctgc actacacaga gctccagacc agtcatggct acatcatgaa accctgtctc 4080
320 aaaaagaaaa taaaaactgt tgtgtttcta ccatagtgtt aaactcagag tctgagtaat 4140
322 gtgggctga catgctggg tgtttaacat accttcagct ttgacgagge gctgaacagt 4200
324 caaagtctgg ccttggggag cgggtgctgt gtttgtgctc aagtcacccg tgaaatcctg 4260
326 attgtgaatt tggacaaccg tgtccttctt cttggccttc catgcaacct ccaactlcat 4320
328 gttggtcatt ttgtcaaaac actgtgtgat gtttttatca atatactgcc attccacata 4380
330 tttagagatg tagctgcct ggttttcctt ttcttttagcc aatcgaatgc tcttgatcat 4440
332 gccctcaatc tcatctctag cttttatcac gtctctgcta attcctgaaa cttgaatcga 4500
334 agttttcttc tggttcactt caatggtgat gttcagttcc ttctgaatct catteagttt 4560
336 ctctgtactc tccatgtcaa agtcaactgac acaactcatc tcattggtgt aggaaagctg 4620
338 ctctttggta atcagttcct ttageccagga gattgttttg ttacactgt ctacccctga 4680
340 accacatacc tggaaaaactg tgtgctctat tttcttttcc aaaaccaggg tgttcttttt 4740
342 gggggaagct tgcctgggaa agccaagaaa ggctaaagag aaaatggaaa ttaatgtttc 4800
344 ttttactccc ttcaacatca aggttaggaa tatgtatttc ataaaagcta acaactcaca 4860
346 ggcaatctta gacatcactg actgcttggc aggcgactgc ttggggggag ctggagagcc 4920
348 ttctctttct ttcatgttgt cgtaaaaaaa ttgcagaata tggggctgga agataacaac 4980
350 ttttaactctc ttacagcct gcactgattt tttctggaca aattcttcaa tggcatctat 5040
352 tategttttt gctactacgt ttgggtcctg ttgagcattt ccttcaaaaa caaaaaaagc 5100
354 acatttttaa aaagtcgaagg ttaagatcca cctgcaaaaa aaagctgcaa tataagcgag 5160
356 gaattctagt tgtcacagga aataaaaaatg tctgttccca ctataatcaa tgtagactga 5220
358 taatattatg ccagcaata gttttgaagt cctaggcaca gtgggaggag gttttgttcc 5280
360 acgtgttca taagcaata cccagcaaaa agaccttaaa ggacaacttg taatttggga 5340
362 catteacatc tgtcctcttc atctgatctg gctcccagtg tcaactctca acacggctct 5400
364 tagagggaca atttatccct gctctgctt gatcttatgc atgtatctgt attcttccag 5460
366 ccacccctgg ccagctgatt ttcttaaggc acccaaaact gtaagctact tcttataatc 5520
368 tataattctg agcatattag ttagectgag cctccaggat atctttcttc cctatactca 5580
370 gtccagtttt agctgcccag aaggattcaa agctgatcta cgagtagatc actcctgtct 5640
372 acagcttgtt ccagatcttg ttctcaagc cctggaagcc atcagccagg taagattgta 5700
374 aaacaatccc ttctaatca tgggtgtggc ccaaagtga tgcccggaat tc 5752
378 <210> SEQ ID NO: 3
380 <211> LENGTH: 475
382 <212> TYPE: DNA
384 <213> ORGANISM: mouse
388 <400> SEQUENCE: 3
390 tgtatgggaa tagtgtttcc atatgatctg ttgtctggag tatatgctac atgttcattt 60
392 actgtacaaa aaccagtgct agctgatgat gcaaagcagt ctctctctgt gtacagtgcc 120
394 ccacctatct aaaaatcacg tacttgccca gaacactgtg aaacacttaa cataagaaca 180
396 aacgcagcgt ctggattctt tccaaggaga gcagctttct ccacaggaa acagtaacaa 240
398 aagaggtccg ccgccatcca ccccagcca agacacctca gaggccatag ggacaacctc 300
400 cttgctggcc aacacctgct ggagcagggg cacaggctcc agcaactgat cctcagtgga 360
402 tgggtctgca gccaaagcct taatgggctc tcttttgaag gggaaagaaa gaatttcaag 420
404 cttatgatat ccaatattat tatagttgat gagttagtaa attccaaaaa aaaaa 475
408 <210> SEQ ID NO: 4
410 <211> LENGTH: 20
412 <212> TYPE: DNA
414 <213> ORGANISM: Artificial Sequence
418 <220> FEATURE:
420 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
424 <400> SEQUENCE: 4
```

RAW SEQUENCE LISTING                      DATE: 10/18/2000  
 PATENT APPLICATION:    US/09/680,208        TIME: 17:13:50

Input Set : A:\HD GENE.txt  
 Output Set: N:\CRF3\10182000\I680208.raw

```

426 agggctgtca atcatgctgg                               20
430 <210> SEQ ID NO: 5
432 <211> LENGTH: 20
434 <212> TYPE: DNA
436 <213> ORGANISM: Artificial Sequence
440 <220> FEATURE:
442 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
446 <400> SEQUENCE: 5
448 aaactcacgg tcggtgcagc                               20
452 <210> SEQ ID NO: 6
454 <211> LENGTH: 24
456 <212> TYPE: DNA
458 <213> ORGANISM: Artificial Sequence
462 <220> FEATURE:
464 <223> OTHER INFORMATION: Description of Artificial Sequence:probe
468 <400> SEQUENCE: 6
470 attaacccctc actaaatgct gtat                         24
474 <210> SEQ ID NO: 7
476 <211> LENGTH: 30
478 <212> TYPE: DNA
480 <213> ORGANISM: Artificial Sequence
484 <220> FEATURE:
486 <223> OTHER INFORMATION: Description of Artificial Sequence:probe
490 <400> SEQUENCE: 7
492 cattatgctg agtgatatct ttttttttctg                  30
496 <210> SEQ ID NO: 8
498 <211> LENGTH: 38
500 <212> TYPE: DNA
502 <213> ORGANISM: Artificial Sequence
506 <220> FEATURE:
508 <223> OTHER INFORMATION: Description of Artificial Sequence:probe
512 <400> SEQUENCE: 8
514 gaacatgtag catatactcc agacaacaga tcatatgg           38
518 <210> SEQ ID NO: 9
520 <211> LENGTH: 32
522 <212> TYPE: DNA
524 <213> ORGANISM: Artificial Sequence
528 <220> FEATURE:
530 <223> OTHER INFORMATION: Description of Artificial Sequence:probe
534 <400> SEQUENCE: 9
536 cagcttctcc acaggaacac agtaacaaag ag                 32
540 <210> SEQ ID NO: 10
542 <211> LENGTH: 35
544 <212> TYPE: DNA
546 <213> ORGANISM: Artificial Sequence
550 <220> FEATURE:
552 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
556 <400> SEQUENCE: 10
558 ctatttcaca agagactgac cagccaataa atctc              35

```

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P6

<210> 11

□

<211> 7581

□

<212> DNA

□

<213> Unknown

□

□

<400> 11

Seq # 11 (small segment shown)

Missing mandatory <2207, <2237 features  
to explain the "Unknown" sequence. See  
#12 on Error Summary Sheet.

ggtaaaaaaa aagcatgtga atnntaaca cttctanant ntctnngnat gttatggcag 3420 .

□

aatttttagtc acgtccaaaa caaaaagatt attccagaag atacctcatc ctatgcctga 3480 .

□

aaggctccac agcatggcgt cegtctccca gggttctgat cegtctctc acggtgcaat 3540

□

caggcaggac agagaggagg gctgcagggc taccacattg acccagaagg tatctctctt 3600

□

caccattcag acatccataa ggaatgccaa atgctgtatt gaatagttct ctgtgtgact 3660

□

ttctagagaa gccaggacac cctgagcctt tctnggggaa ctctaaggag tcacagggtc 3720



Missing mandatory <2207 to <2237 features  
to explain "n's" in the sequence. See #10  
on Error Summary Sheet. Please check  
entire sequence for "n's" and explain  
each instance.

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P 7

<210> 12  
□  
<211> 7618  
□  
<212> DNA  
□  
<213> mouse  
□  
□  
<400> 12

Seq #12 (small segment shown)

missing mandatory <220> to <2237> features  
to explain "n's" in the sequence. see  
#16 on Error Summary sheet. Please  
check entire sequence for "n's" and explain each  
instance.

tgccccacct atttaaaaat cacgtacaan cccagaacac tgtgaaacac ttaacataag 6840  
□  
aaacaaacgc agcgtctgga ttctttccaa ggagagcagc tttctccaca ggaacacagt 6900  
□  
aacaaaagag gtccgccgcc atccacaccc agccaagaca cctcagaggc catagggaca 6960  
□  
acctccttgc tggccaacac ctgctggagc agggcacagg tcccagcaac tgatcctcag 7020  
□  
tggatgggtc cgcagtcaaa gccttaatgg gctctctttt gaaggggaaa gaaanntttc 7080

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/680,208

DATE: 10/18/2000  
TIME: 17:13:51

Input Set : A:\HD GENE.txt  
Output Set: N:\CRF3\10182000\I680208.raw

L:24 M:270 C: Current Application Number differs, Replaced Application Number  
L:26 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:572 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:572 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
L:678 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:678 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:678 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11  
L:686 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:686 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
M:340 Repeated in SeqNo=11  
L:696 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:696 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:800 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:800 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:808 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:11  
L:808 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:11  
L:1068 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12  
L:1068 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12  
L:1068 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12  
L:1068 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:1068 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12  
L:1076 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12  
L:1076 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:12  
L:1076 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12  
L:1076 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
M:340 Repeated in SeqNo=12